Claim Amendments

1. (Currently Amended) A method for a client platform coupled to a server platform via a network, comprising:

determining that an input/output operation related to an input/output device happens during execution of an application on ~~in~~ a virtual machine of the client platform; and

requesting the server platform via the network to handle the input/output operation related to the input/output device through a client network interface of the client platform.

2. (Previously Presented) The method of claim 1, wherein the request comprises a server platform identifier to identify the server platform.

3. (Previously Presented) The method of claim 1, wherein the request comprises a device module identifier to identify a device module from a plurality of device modules in the server platform to handle the input/output operation related to the input/output device, wherein the device module corresponds to the input/output device.

4. (Previously Presented) The method of claim 1, further comprising:

receiving a feedback for the input/output operation from the server platform through the network, the feedback comprising a virtual machine identifier to identify the virtual machine in the client platform that is executing the input/output operation; and

sending the feedback to the virtual machine identified by the virtual machine identifier.

5. (Previously Presented) The method of claim 1, further comprising:

receiving via the network an interrupt instruction issued by a device module of the server platform, the interrupt instruction comprising a virtual machine identifier to identify a virtual machine to perform the interrupt instruction; and

injecting the interrupt instruction into the virtual machine identified by the virtual machine identifier.

6. (Currently Amended) A ~~storage device~~ tangible machine-readable medium comprising a plurality of instructions which when executed result in a client platform:

determining that an input/output operation related to an input/output device happens during execution of an application on ~~in~~ a virtual machine of the client platform; and

requesting the server platform via the network to handle the input/output operation related to the input/output device.

7. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim 6, wherein the request further comprise a server platform identifier to identify the server platform.

8. (Currently Amended) The A ~~storage device~~ tangible machine-readable medium of claim 6, wherein the request comprises a device module identifier to identify a device module from a plurality of device modules in the server platform to handle the input/output operation related to the input/output device, wherein the device module corresponds to the input/output device.

9. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim 6, wherein the plurality of instructions further result in the client platform:

receiving a feedback for the input/output operation from the server platform through the network, the feedback comprising a virtual machine identifier to identify the virtual machine in the client platform that is executing the input/output operation; and

sending the feedback to the virtual machine identified by the virtual machine identifier.

10. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim 6, wherein the plurality of instructions further result in the client platform:

receiving an interrupt instruction issued by a device module from the plurality of device~~s~~ modules in the server platform through the network, the interrupt instruction comprising a virtual machine identifier to identify a virtual machine to perform the interrupt instruction;

injecting the interrupt instruction to the virtual machine identified by the virtual machine identifier.

11. (Currently Amended) A method for a server platform coupled to a client platform via a network,

receiving, from the client platform via the network, a request for an input/output operation related to an input/output device by a server network interface of the server platform;

identifying a device module from a plurality of device modules in the server platform to handle the request, the identified device module corresponding to the input/output device related to the input/output operation;

obtaining a result for the input/output operation from the identified device module;

constructing a feedback with the result and a virtual machine identifier to identify a virtual machine in the client platform that is executing an application when input/output operation happens; and

sending the feedback from the server platform to the client platform through the network.

12. (Previously Presented) The method of claim 11, wherein the request comprises a device module identifier to identify the device module in the server platform.

13. (Previously Presented) The method of claim 11, further comprising

determining whether the identified device module is in another server platform; and

sending the request from the server platform to the another server platform via the network, in response to determining that the identified device module is in the another server platform.

14. (Canceled)

15. (Currently Amended) The method of claim ~~14~~ 11, wherein the feedback further comprise a client platform identifier to identify the client platform that has sent the request.

16. (Previously Presented) The method of claim 11, further comprising:

issuing an interrupt instruction from a device module of the plurality of device modules in the server platform to the client platform through the network.

17. (Original) The method of claim 11, wherein the interrupt instruction further comprises a virtual machine identifier to identify a virtual machine in the client platform to handle the interrupt.

18. (Currently Amended) A ~~storage device~~ tangible machine-readable medium comprising a plurality of instructions which when executed result in a server platform:

receiving a request for an input/output operation related to an input/output device from a client platform through a network by a server network interface of the server platform;

identifying a device module from a plurality of device modules in the server platform to handle the request, the identified device module corresponding to the input/output device related to the input/output operation;

obtaining a result for the input/output operation from the identified device module;

constructing a feedback with the result and a virtual machine identifier to identify a virtual machine in the client platform that is executing an application when the input/output operation happens; and

sending the feedback from the server platform to the client platform through the network.

19. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim 18, wherein the request comprises a device module identifier to identify the device module in the server platform.

20. (Canceled).

21. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim ~~20~~ 18, wherein the plurality of instructions further result in the server platform:

determining whether the identified device module is in another server platform; and

sending the request from the server platform to the another server platform through the network, in response to determining that the identified device module is in the another server platform.

22. (Canceled)

23. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim 22, wherein the feedback further comprise a client identifier to identify the client platform that has sent the request.

24. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim 18, wherein the plurality of instructions further result in the server platform:

issuing an interrupt instruction from a device module of the plurality of device modules in the server platform to the client platform through the network.

25. (Currently Amended) The ~~storage device~~ tangible machine-readable medium of claim 24, wherein the interrupt instruction further comprises a virtual machine identifier to identify a virtual machine in the client platform to handle the interrupt.

26. (Currently Amended) A system, comprising

a client platform comprising:

a plurality of virtual machines; and

a virtual machine monitor to determine that an input/output operation related to an input/output device happens during execution of an application on ~~in~~ a virtual machine of the plurality of virtual machines and construct a request for the input/output operation;

a client network interface to send the request through a network; and

the server platform comprising:

a server network interface to receive the request through the network;

a plurality of device modules;

a controller to identify a device module from the plurality of device modules to handle the request, the identified device module corresponding to the input/output device related to the input/output operation.

27. (Previously Presented) The system of claim 26, wherein the request further comprises a device module identifier to identifier the device module in the server platform.

28. (Previously Presented) The system of claim 26, wherein

the identified device module in the server platform is further to obtain a result for the input/output operation, and construct a feedback with the result and a virtual machine identifier to identify the virtual machine in the client platform under control from the controller, and

the server network interface is further to send the feedback to the client platform through the network.

29. (Previously Presented) The system of claim 26, wherein

the client network interface is further to receive a feedback for the input/output operation from the server platform through the network; and

the virtual machine monitor is further to identify the virtual machine in the client platform that is executing the input/output operation based upon the feedback and send the feedback to the identified virtual machine.

30. (Previously Presented) The system of claim 26, wherein

a device module in the server platform is to issue an interrupt instruction under control from the controller, the interrupt instruction including a virtual machine identifier to identify another virtual machine in the client platform to handle the interrupt instruction; and

the server network interface is further to send the interrupt instruction to the client platform through the network.

31. (Original) The system of claim 30, wherein

the client network interface is further to receive the interrupt instruction; and

the virtual machine monitor is further to identify the another virtual machine from the plurality of virtual machines based upon the interrupt instruction and inject the interrupt into the identified another virtual machine.

32. (Currently Amended) A method for a system comprising a client platform and a server platform, wherein the client platform couples to the server platform through a network, the method comprising:

determining that an input/output operation related to an input/output device happens during execution of an application on ~~in~~ a virtual machine of the client platform;

sending a request for the input/output operation from the client platform to the server platform through the network by a client network interface of the client platform;

receiving the request through the network by a server network interface of the server platform;

identifying a device module from a plurality of device modules in the server platform to handle the request, wherein the identified virtual device corresponds to the input/output device related to the input/output operation.

33. (Original) The method of claim 32, wherein the receiving further comprises receiving the request with a first server in the server platform.

34. (Previously Presented) The method of claim 33, further comprising:

determining whether the identified device module is in another server platform; and

sending the request from the server platform to the another server platform through the network, in response to determining that the identified device module is in the another server platform.

35. (Previously Presented) The method of claim 32, further comprising:

obtaining a result for the input/output operation from the identified device module in the server platform;

constructing a feedback with the result and a virtual machine identifier to identify the virtual machine in the client platform that is executing the input/output operation; and

sending the feedback from the server platform to the client platform through the network.

36. (Original) The method of claim 35, wherein the feedback further comprise a client identifier to identify the client platform that has sent the request.

37. (Previously Presented) The method of claim 32, further comprising:

issuing an interrupt instruction from a device module in the server platform to the client platform through the network.

38. (Original) The method of claim 32, wherein the interrupt instruction further comprises a virtual machine identifier to identify another virtual machine in the client platform to handle the interrupt.

39. (Original) The method of claim 38, further comprising:

receiving the interrupt instruction through the network by the client platform;

identifying the another virtual machine in the client platform based upon the interrupt instruction; and

injecting the interrupt into the identified another virtual machine.